



6

SEQUENCE LISTING

(1) GENERAL INFORMATION:

- (i) APPLICANT: Wainwright,, Norman R.
Novitsky, Thomas J.
- (ii) TITLE OF INVENTION: Endotoxin Binding and Neutralizing Protein and Uses Thereof
- (iii) NUMBER OF SEQUENCES: 4
- (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: Sterne, Kessler, Goldstein & Fox
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 - (C) CITY: Washington
 - (D) STATE: District of Columbia
 - (E) COUNTRY: United States of America
 - (F) ZIP: 20005-3934
- (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: IBM PC compatible
 - (C) OPERATING SYSTEM: PC-DOS/MS-DOS
 - (D) SOFTWARE: PatentIn Release #1.0, Version #1.25
- (vi) CURRENT APPLICATION DATA:
 - (A) APPLICATION NUMBER: 07/883,457
 - (B) FILING DATE: 15-MAY-1992
 - (C) CLASSIFICATION:
- (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Esmond, Robert W.
 - (B) REGISTRATION NUMBER: 32,893
 - (C) REFERENCE/DOCKET NUMBER: 1413.0010004
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(2) INFORMATION FOR SEQ ID NO:1:

- (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 101 amino acids
 - (B) TYPE: amino acid
 - (D) TOPOLOGY: linear
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

Asp	Gly	Ile	Trp	Thr	Gln	Leu	Ile	Phe	Thr	Leu	Val	Asn	Asn	Leu	Ala
1				5					10					15	
Thr	Leu	Trp	Gln	Ser	Gly	Asp	Phe	Gln	Phe	Leu	Asp	His	Glu	Cys	His
			20					25					30		
Tyr	Arg	Ile	Lys	Pro	Thr	Phe	Arg	Arg	Leu	Lys	Trp	Lys	Tyr	Lys	Gly
		35				40					45				
Lys	Phe	Trp	Cys	Pro	Ser	Trp	Thr	Ser	Ile	Thr	Gly	Arg	Ala	Thr	Lys
	50					55					60				
Ser	Ser	Arg	Ser	Gly	Ala	Val	Glu	His	Ser	Val	Arg	Asn	Phe	Val	Gly
65					70					75				80	

Gln Ala Gly Ser Ser Gly Leu Ile Thr Gln Arg Gln Ala Glu Gln Phe
85 90 95

Ile Ser Gln Tyr Asn
100

(2) INFORMATION FOR SEQ ID NO:2:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 331 base pairs
(B) TYPE: nucleic acid
(C) STRANDEDNESS: both
(D) TOPOLOGY: both

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:

GAG GCT GAA GCT GAC GGT ATC TGG ACC CAA TTG ATT TTC ACT TTG GTT	48
Glu Ala Glu Ala Asp Gly Ile Trp Thr Gln Leu Ile Phe Thr Leu Val	
1 5 10 15	
AAC ATT TTG GCC ACC TTA TGG CAG TCC GGT GAT TTT CAA TTC TTG GAC	96
Asn Ile Leu Ala Thr Leu Trp Gln Ser Gly Asp Phe Gln Phe Leu Asp	
20 25 30	
CAC GAA TGT CAC TAC AGA ATC AAG CCA ACT TTC AGA AGA TTG AAG TGG	144
His Glu Cys His Tyr Arg Ile Lys Pro Thr Phe Arg Arg Leu Lys Trp	
35 40 45	
AAA TAT AAG GGT AAA TTT TGG TGT CCA TCT TGG ACC TCT ATT ACT GGT	192
Lys Tyr Lys Gly Lys Phe Trp Cys Pro Ser Trp Thr Ser Ile Thr Gly	
50 55 60	
AGA GCT ACC AAG TCT TCT AGA TCC GGT GCT GTC GAA CAC TCT GTT AGA	240
Arg Ala Thr Lys Ser Ser Arg Ser Gly Ala Val Glu His Ser Val Arg	
65 70 75 80	
AAC TTC GTC GGT CCA GCT AAG TCT TCC GGT TTG ATC ACT GAA AGA CAA	288
Asn Phe Val Gly Pro Ala Lys Ser Ser Gly Leu Ile Thr Glu Arg Gln	
85 90 95	
GCT GAA CAA TTC ATT TCT CAA TAC AAC TGA TAA GCT TGA ATT C	331
Ala Glu Gln Phe Ile Ser Gln Tyr Asn	
100 105	

(2) INFORMATION FOR SEQ ID NO:3:

- (i) SEQUENCE CHARACTERISTICS
(A) LENGTH: 105 amino acids
(B) TYPE: amino acid
(C) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:

Glu Ala Glu Ala Asp Gly Ile Trp Thr Gln Leu Ile Phe Thr Leu Val	
1 5 10 15	
Asn Ile Leu Ala Thr Leu Trp Gln Ser Gly Asp Phe Gln Phe Leu Asp	
20 25 30	
His Glu Cys His Tyr Arg Ile Lys Pro Thr Phe Arg Arg Leu Lys Trp	
35 40 45	
Lys Tyr Lys Gly Lys Phe Trp Cys Pro Ser Trp Thr Ser Ile Thr Gly	
50 55 60	

Arg Ala Thr Lys Ser Ser Arg Ser Gly Ala Val Glu His Ser Val Arg
65 70 75 80

Asn Phe Val Gly Pro Ala Lys Ser Ser Gly Leu Ile Thr Glu Arg Gln
85 90 95

Ala Glu Gln Phe Ile Ser Gln Tyr Asn
100 105

(2) INFORMATION FOR SEQ ID NO:4:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 101 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:

Ser Asn Ile Trp Thr Gln Leu Ile Phe Thr Leu Val Asn Asn Leu Ala
1 5 10 15

Thr Leu Trp Gln Ser Gly Asp Phe Gln Phe Leu Asp His Glu Cys His
20 25 30

Tyr Arg Ile Lys Pro Thr Phe Arg Arg Leu Lys Trp Lys Tyr Lys Gly
35 40 45

Lys Phe Trp Cys Pro Ser Trp Thr Ser Ile Thr Gly Arg Ala Thr Lys
50 55 60

Ser Ser Arg Ser Gly Ala Val Glu His Ser Val Arg Asn Phe Val Gly
65 70 75 80

Gln Ala Gly Ser Ser Gly Leu Ile Thr Gln Arg Gln Ala Glu Gln Phe
85 90 95

Ile Ser Gln Tyr Asn
100

(2) INFORMATION FOR SEQ ID NO:5:

(i) SEQUENCE CHARACTERISTICS:

(A) LENGTH: 101 amino acids

(B) TYPE: amino acid

(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:

Asp Asn Ile Trp Thr Gln Leu Ile Phe Thr Leu Val Asn Asn Leu Ala
1 5 10 15

Thr Leu Trp Gln Ser Gly Asp Phe Gln Phe Leu Asp His Glu Cys His
20 25 30

Tyr Arg Ile Lys Pro Thr Phe Arg Arg Leu Lys Trp Lys Tyr Lys Gly
35 40 45

Lys Phe Trp Cys Pro Ser Trp Thr Ser Ile Thr Gly Arg Ala Thr Lys
50 55 60

Ser Ser Arg Ser Gly Ala Val Glu His Ser Val Arg Asn Phe Val Gly
65 70 75 80

Gln Ala Gly Ser Ser Gly Leu Ile Thr Gln Arg Gln Ala Glu Gln Phe
85 90 95
Ile Ser Gln Tyr Asn
100

(2) INFORMATION FOR SEQ ID NO:6:

- (i) SEQUENCE CHARACTERISTICS:
(A) LENGTH: 101 amino acids
(B) TYPE: amino acid
(D) TOPOLOGY: linear

(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:

Ser Gly Ile Trp Thr Gln Leu Ile Phe Thr Leu Val Asn Asn Leu Ala
1 5 10 15
Thr Leu Trp Gln Ser Gly Asp Phe Gln Phe Leu Asp His Glu Cys His
20 25 30
Tyr Arg Ile Lys Pro Thr Phe Arg Arg Leu Lys Trp Lys Tyr Lys Gly
35 40 45
Lys Phe Trp Cys Pro Ser Trp Thr Ser Ile Thr Gly Arg Ala Thr Lys
50 55 60
Ser Ser Arg Ser Gly Ala Val Glu His Ser Val Arg Asn Phe Val Gly
65 70 75 80
Gln Ala Gly Ser Ser Gly Leu Ile Thr Gln Arg Gln Ala Glu Gln Phe
85 90 95
Ile Ser Gln Tyr Asn
100